





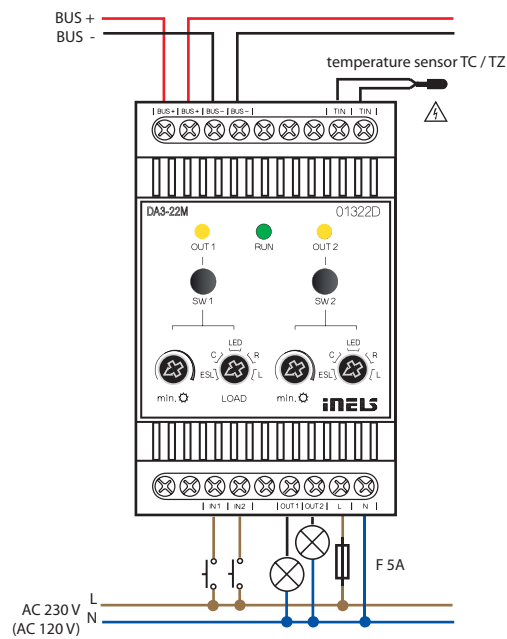
EAN code
DA3-22M: 8595188132626
DA3-22M/120V: 8595188133036

Technical parameters		DA3-22M	DA3-22M/120V
Inputs			
Input:		2x inputs, switching potential L*	
Temperature measuring:		YES, input for external thermo sensor TC/TZ	
Scope and accuracy of temp. measurement:		-20 to +120°C; 0.5°C from the range	
Number of control buttons:		2x buttons 4x potentiometers on front panel	
Outputs			
Output:		2x contactless outputs, 2x MOSFET	
Load type:		resistive, inductive, capacitive**, LED, ESL	
Isolation BUS separated from all internal circuits:		reinforced Insulation (Cat. II surges by EN 60664-1)	
Isolation voltage between particular power:		max. 500 V AC	
Minimal controlled load:		10 VA	
Maximal controlled load:		400 VA for each channel	200 VA for each channel
Output indication ON/OFF:		2x yellow LED	
Device protection:		thermal / short-term overload / long-term overload	
Communication			
Installation BUS:		BUS	
Power supply			
Supply voltage by BUS / tolerance:		27 V DC, -20 / +10 %	
Rated current:		5 mA (at 27V DC), from BUS	
Status indication unit:		green LED RUN	
Supply voltage for power section / tolerance:		AC 230V (50Hz), -15 / +10 %	AC 120V (60Hz), -15 / +10 %
Dissipated power:		13 W	7.5 W
Connection			
Terminal:		max. 2.5 mm²/1.5 mm² with sleeve	
Operating conditions			
Air humidity:		max. 80 %	
Operating temperature:		-20 to +35 °C	
Storing temperature:		-30 to +70 °C	
Protection degree:		IP20 device, IP40 mounting in the switchboard	
Overvoltage category:		II.	
Pollution degree:		2	
Operating position:		vertical	
Installation:		switchboard on DIN rail EN 60715	
Design:		3-MODULE	
Dimensions and weight			
Dimensions:		90 x 52 x 65 mm	
Weight:		170 g	

* The inputs are not galvanically isolated from the supply voltage.
** Attention: It is not allowed to connect loads of inductive and capacitive character, at the same time.
⚠ Input is connected to the mains voltage potential.

- DA3-22M is a universal dimming 2-fold actuator enabling control of brightness intensity of dimmable light sources of the type ESL, LED and RLC with power supply 230 V.
- DA3-22M has two MOSFET controlled outputs 230 V AC, maximum load is 2x 400 VA.
- Option of connecting an external temperature sensor.
- Each output channel is independently controllable and addressable.
- Type of light source is set by a switch on the front panel.
- By setting the min. brightness potentiometer on the front panel, flashing of different types of light sources is eliminated.
- DA3-22M is equipped with two inputs 230 V AC, which can be controlled by mechanical switches (buttons, relays). Inputs are galvanically connected to potential L, which is permanently at the terminals IN1 and IN2.
- Buttons on the front panel, you can manually switch on or off the corresponding output.
- Electronic overcurrent and thermal protection - switch off output in case of overload short circuit and overheating.
- The power supply (potential L) must be protected by a protective element corresponding to the power input of the connected load, e.g. a safety fuse.
- During installation, it is necessary to leave on each side of the actuator at least half the module space for better cooling.
- DA3-22M in 3-MODULE version is designed for mounting into a switchboard on DIN rail EN60715.

Connection



Types of connectable loads

type of source	symbol	description
R resistive		ordinary light bulb, halogen lamp
L inductive		coiled transformer for low-voltage halogen lamps
C capacitive		electronic transformer for low-voltage halogen lamps
LED		LED lamps and LED light sources, 230 V
ESL		dimmable energy-saving fluorescent tubes